LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV050219\
Data File : VV010647.D
Acq On : 03 May 2019 04:19
Operator : SY/MD
Sample : K2603-21
Misc : 5.00G/10ML/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAJ73

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM050219S.M
Title : VOC Analysis

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.312	65	69	77	rVB	14156	12973	0.62%	0.147%
2	1.573	144	150	158	rVB	11334	13232	0.63%	0.150%
3	2.119	306	320	334	rBV	34115	50026	2.39%	0.565%
4	2.187	334	341	349	rBV2	2684	4039	0.19%	0.046%
5	2.457	422	425	427	rBV	269	163	0.01%	0.002%
6	2.531	440	448	456	rVB3	2184	3195	0.15%	0.036%
7	2.708	499	503	505	rBV	286	259	0.01%	0.003%
8	2.778	521	525	528	rBV2	258	304	0.01%	0.003%
9	3.064	612	614	621	rVB2	473	341	0.02%	0.004%
10	3.097	621	624	627	rBV2	210	155	0.01%	0.002%
11	3.161	638	644	648	rBV2	225	252	0.01%	0.003%
12	3.244	667	670	673	rBV	259	154	0.01%	0.002%
13	3.322	691	694	696	rBV	249	200	0.01%	0.002%
14	3.473	737	741	747	rVB	328	346	0.02%	0.004%
15	3.502	747	750	753	rBV	238	203	0.01%	0.002%
16	3.634	788	791	794	rBV2	387	307	0.01%	0.003%
17	3.688	803	808	810	rBV2	209	217	0.01%	0.002%
18	3.852	856	859	862	rBV	271	162	0.01%	0.002%
19	3.875	862	866	869	rBV2	256	206	0.01%	0.002%
20	3.936	872	885	907	rBV	5557	17328	0.83%	0.196%
21	4.328	1003	1007	1011	rBV2	268	241	0.01%	0.003%
22	4.396	1011	1028	1050	rVB	39021	95717	4.58%	1.082%
23	4.476	1050	1053	1056	rBV2	289	216	0.01%	0.002%
24	4.569	1079	1082	1084	rBV	302	221	0.01%	0.002%
25	4.730	1126	1132	1135	rBV2	238	300	0.01%	0.003%
26	4.820	1155	1160	1163	rVB	303	261	0.01%	0.003%
27	4.843	1164	1167	1170	rVB	255	174	0.01%	0.002%
28	4.981	1207	1210	1214	rBV2	184	182	0.01%	0.002%
29	5.090	1227	1244	1263	rBV4	90412	224653	10.74%	2.539%
30	5.344	1321	1323	1327	rVB	270	166	0.01%	0.002%
31	5.511	1370	1375	1379	rVV2	227	239	0.01%	0.003%
32	5.659	1409	1421	1437	rBV	83546	160853	7.69%	1.818%
33	5.823	1468	1472	1474	rBV2	425	306	0.01%	0.003%
34	5.859	1476	1483	1484	rBV	221	179	0.01%	0.002%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV050219\
Data File : VV010647.D
Acq On : 03 May 2019 04:19
Operator : SY/MD
Sample : K2603-21
Misc : 5.00G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAJ73

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM050219S.M
Title : VOC Analysis

35	5.942	1502	1509	1515	rBV5	1477	2282	0.11%	0.026%
36	6.116	1549	1563	1585	rVV	55157	111276	5.32%	1.257%
37	6.254	1602	1606	1609	rBV	320	286	0.01%	0.003%
38	6.305	1620	1622	1624	rBV	258	164	0.01%	0.002%
39	6.428	1657	1660	1663	rVV	253	173	0.01%	0.002%
40	6.637	1721	1725	1727	rBV	283	214	0.01%	0.002%
41	6.733	1752	1755	1758	rBV	189	178	0.01%	0.002%
42	6.752	1758	1761	1764	rBV2	275	225	0.01%	0.003%
43	6.862	1791	1795	1800	rBV2	295	273	0.01%	0.003%
44	7.029	1836	1847	1862	rBV2	25503	45289	2.16%	0.512%
45	7.103	1868	1870	1873	rBV2	263	192	0.01%	0.002%
46	7.177	1889	1893	1897	rBV	291	275	0.01%	0.003%
47	7.260	1916	1919	1922	rBV2	282	180	0.01%	0.002%
48	7.296	1927	1930	1934	rBV2	334	329	0.02%	0.004%
49	7.357	1937	1949	1965	rBV	102944	178257	8.52%	2.014%
50	7.598	2020	2024	2028	rBV2	256	229	0.01%	0.003%
51	7.662	2034	2044	2058	rBV	14891	26058	1.25%	0.294%
52	7.833	2094	2097	2100	rBV	212	178	0.01%	0.002%
53	8.039	2158	2161	2164	rBV	254	230	0.01%	0.003%
54	8.132	2182	2190	2214	rVB	21443	41000	1.96%	0.463%
55	8.302	2240	2243	2249	rVB2	366	269	0.01%	0.003%
56	8.415	2275	2278	2280	rBV	234	183	0.01%	0.002%
57	8.630	2342	2345	2349	rBV	245	167	0.01%	0.002%
58	8.710	2365	2370	2372	rBV2	288	247	0.01%	0.003%
59	8.784	2389	2393	2396	rBV	260	252	0.01%	0.003%
60	8.894	2416	2427	2452	rBV	131885	216621	10.35%	2.448%
61	9.055	2472	2477	2485	rBV2	332	469	0.02%	0.005%
62	9.177	2512	2515	2522	rVB2	638	698	0.03%	0.008%
63	9.299	2550	2553	2557	rVV2	357	249	0.01%	0.003%
64	9.350	2566	2569	2573	rBV2	162	178	0.01%	0.002%
65	9.450	2595	2600	2602	rBV	285	290	0.01%	0.003%
66	9.556	2630	2633	2636	rBV	276	256	0.01%	0.003%
67	9.926	2745	2748	2750	rBV	203	147	0.01%	0.002%
68	10.260	2842	2852	2865	rBV	50356	78652	3.76%	0.889%
69	10.421	2892	2902	2912	rBV5	2721	4062	0.19%	0.046%
70	10.495	2918	2925	2928	rBV	641	821	0.04%	0.009%
71	10.958	3061	3069	3081	rBV	8862	12045	0.58%	0.136%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV050219\
Data File : VV010647.D
Acq On : 03 May 2019 04:19
Operator : SY/MD
Sample : K2603-21
Misc : 5.00G/10ML/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAJ73

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM050219S.M
Title : VOC Analysis

72	11.029	3083	3091	3101	rBV3	8520	12277	0.59%	0.139%
73	11.296	3162	3174	3192	rBV	130198	204245	9.76%	2.308%
74	11.382	3192	3201	3209	rVB2	5820	8421	0.40%	0.095%
75	11.579	3253	3262	3269	rBV5	3942	5723	0.27%	0.065%
76	11.672	3280	3291	3305	rVB	114206	183008	8.75%	2.068%
77	11.791	3318	3328	3338	rBV	57404	89709	4.29%	1.014%
78	11.958	3372	3380	3384	rBV5	2386	3616	0.17%	0.041%
79	12.038	3397	3405	3407	rBV5	3781	4830	0.23%	0.055%
80	12.238	3461	3467	3477	rVB2	17246	24162	1.15%	0.273%
81	12.296	3480	3485	3494	rVB6	7798	10813	0.52%	0.122%
82	12.363	3497	3506	3512	rBV6	2346	3339	0.16%	0.038%
83	12.408	3512	3520	3527	rVB8	2603	3922	0.19%	0.044%
84	12.460	3527	3536	3543	rBV2	9021	13248	0.63%	0.150%
85	12.511	3543	3552	3567	rBV4	23109	45906	2.19%	0.519%
86	12.636	3584	3591	3604	rBV4	17270	28056	1.34%	0.317%
87	12.771	3627	3633	3641	rVB4	9960	13324	0.64%	0.151%
88	12.929	3674	3682	3691	rVB2	51057	73331	3.51%	0.829%
89	12.993	3695	3702	3713	rVB2	90248	131644	6.29%	1.488%
90	13.099	3724	3735	3752	rVB	120860	204369	9.77%	2.309%
91	13.263	3780	3786	3795	rVB2	7585	10576	0.51%	0.120%
92	13.315	3795	3802	3809	rBV4	13526	20402	0.98%	0.231%
93	13.550	3864	3875	3894	rVB	1399666	2092024	100.00%	23.641%
94	13.948	3992	3999	4008	rBV4	25732	42933	2.05%	0.485%
95	14.144	4052	4060	4069	rBV6	40653	73381	3.51%	0.829%
96	14.681	4216	4227	4243	rBV	1358843	2046397	97.82%	23.125%
97	14.865	4274	4284	4299	rVB	694997	1062670	50.80%	12.009%
98	15.717	4538	4549	4565	rBV	257505	439558	21.01%	4.967%
99	15.861	4585	4594	4601	rBV	274773	428812	20.50%	4.846%
100	16.324	4729	4738	4751	rVB	155776	257820	12.32%	2.913%

Sum of corrected areas: 8849180

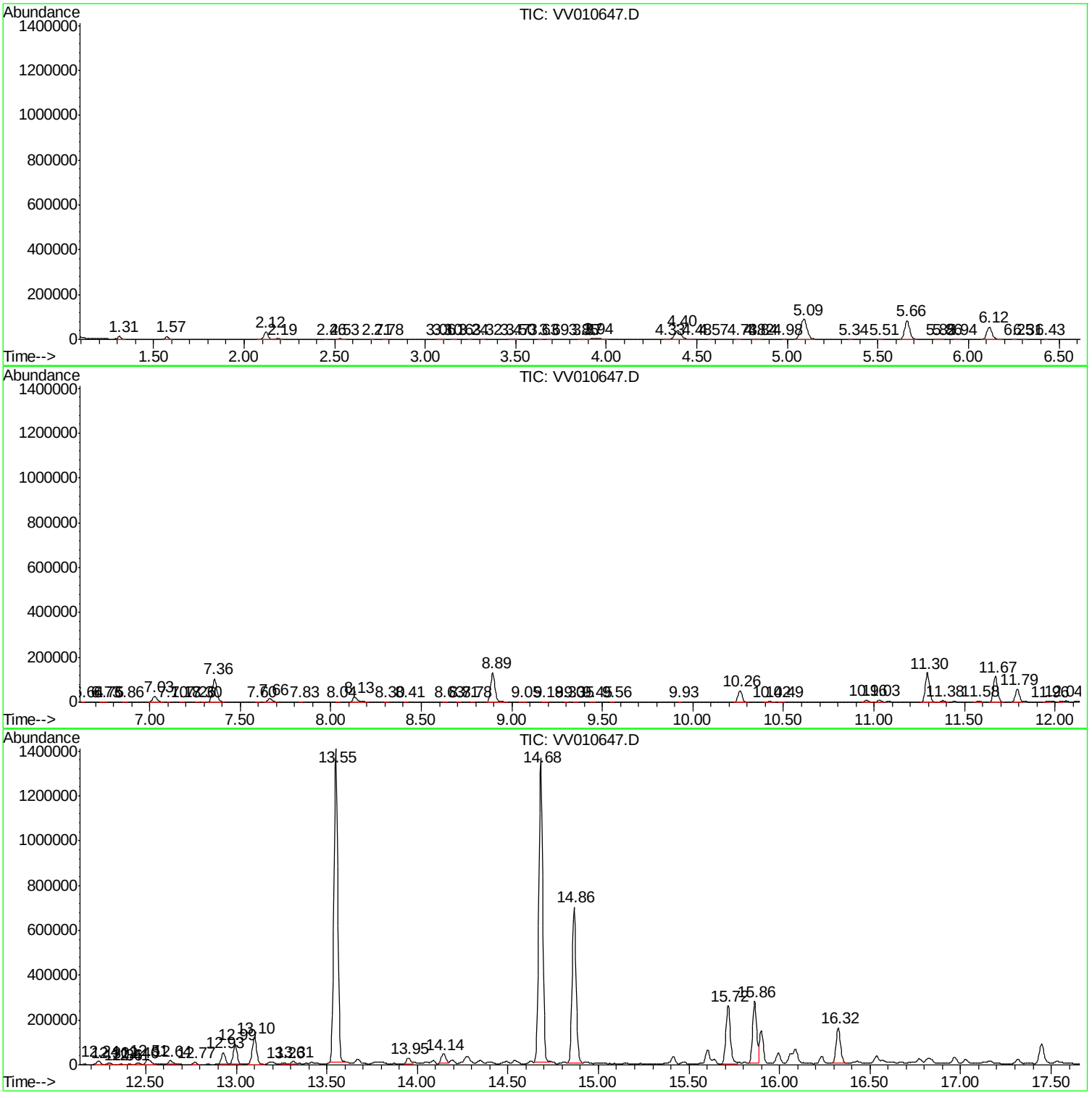
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV050219\
Data File : VV010647.D
Acq On : 03 May 2019 04:19
Operator : SY/MD
Sample : K2603-21
Misc : 5.00G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAJ73

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM050219S.M
Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV050219\
Data File : VV010647.D
Acq On : 03 May 2019 04:19
Operator : SY/MD
Sample : K2603-21
Misc : 5.00G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAJ73

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM050219S.M
Quant Title : VOC Analysis

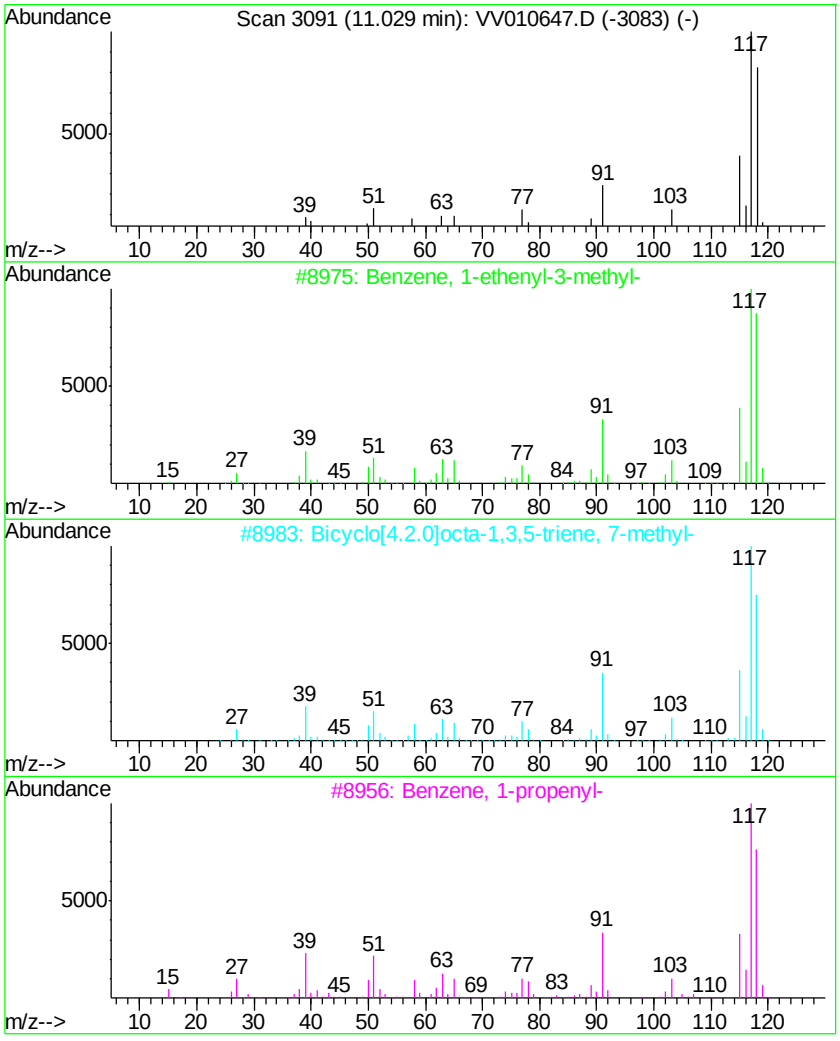
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

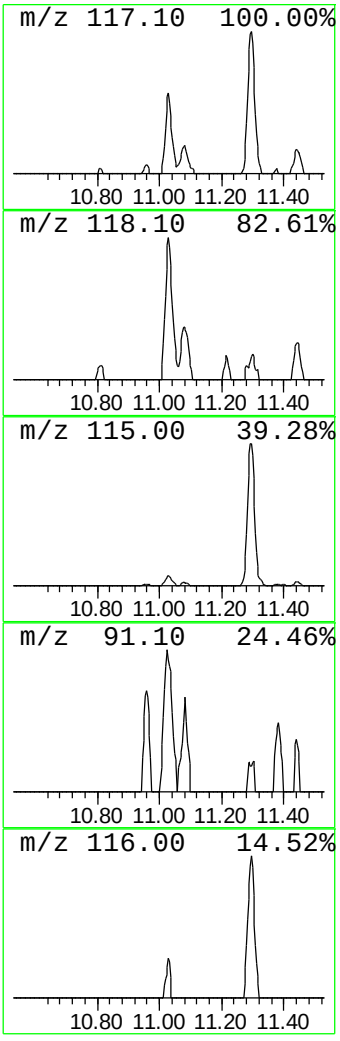
****

Peak Number 3 Benzene, 1-ethenyl-3-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.03	1.50 ug/L	12277	1,4-Dichlorobenzene-d4	11.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethenyl-3-methyl-	118	C9H10	000100-80-1	94
2	Bicyclo[4.2.0]octa-1,3,5-triene,...	118	C9H10	055337-80-9	93
3	Benzene, 1-propenyl-	118	C9H10	000637-50-3	91
4	Benzene, 1,1'-(1-ethenyl-1,3-pro...	222	C17H18	061141-97-7	90
5	Benzene, 2-propenyl-	118	C9H10	000300-57-2	87





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV050219\
Data File : VV010647.D
Acq On : 03 May 2019 04:19
Operator : SY/MD
Sample : K2603-21
Misc : 5.00G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAJ73

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM050219S.M
Quant Title : VOC Analysis

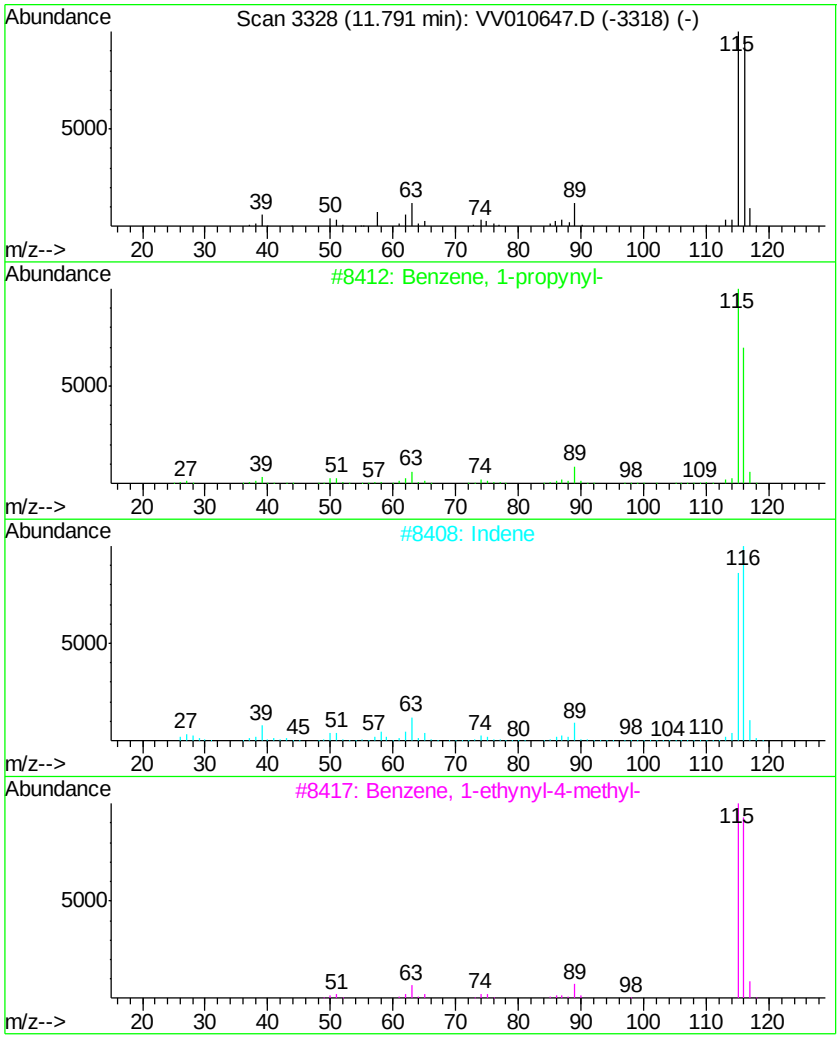
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

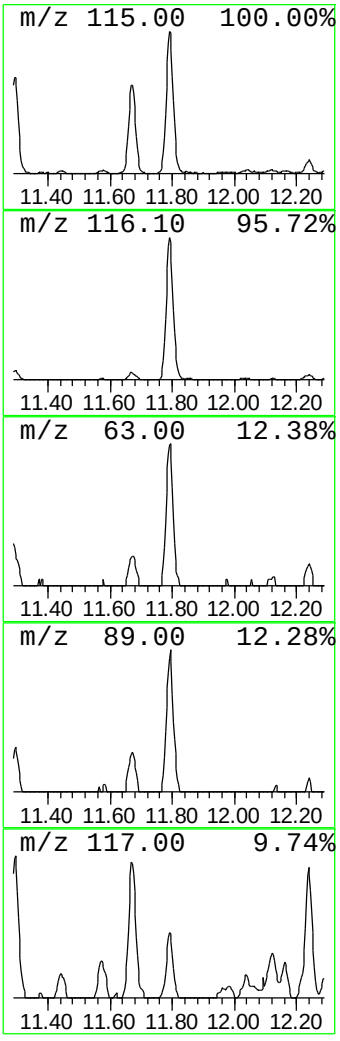
****

Peak Number 4 Benzene, 1-propynyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.79	10.98 ug/L	89709	1,4-Dichlorobenzene-d4	11.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-propynyl-	116	C9H8	000673-32-5	94
2	Indene	116	C9H8	000095-13-6	94
3	Benzene, 1-ethynyl-4-methyl-	116	C9H8	000766-97-2	91
4	Benzene, 1-propynyl-	116	C9H8	000673-32-5	91
5	Benzene, 1-propynyl-	116	C9H8	000673-32-5	91





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV050219\
Data File : VV010647.D
Acq On : 03 May 2019 04:19
Operator : SY/MD
Sample : K2603-21
Misc : 5.00G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAJ73

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM050219S.M
Quant Title : VOC Analysis

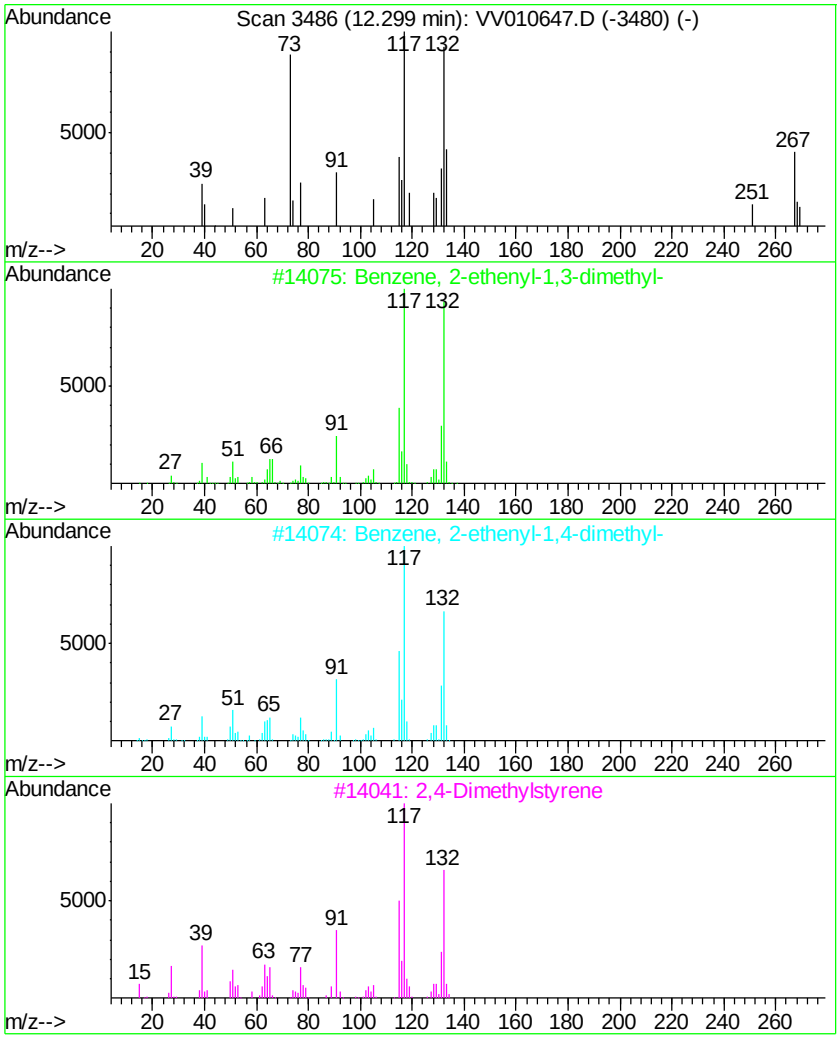
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

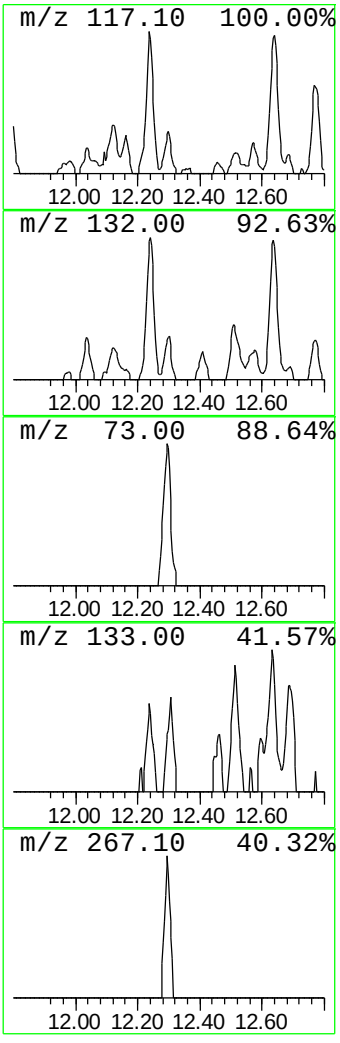
****

Peak Number 6 Benzene, 2-ethenyl-1,3-dime... Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.30	1.32 ug/L	10813	1,4-Dichlorobenzene-d4	11.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethenyl-1,3-dimethyl-	132	C10H12	002039-90-9	55
2	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	49
3	2,4-Dimethylstyrene	132	C10H12	002234-20-0	49
4	Benzene, 2-butenyl-	132	C10H12	001560-06-1	46
5	Benzene, 1-methyl-4-(2-propenyl)-	132	C10H12	003333-13-9	46





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV050219\
Data File : VV010647.D
Acq On : 03 May 2019 04:19
Operator : SY/MD
Sample : K2603-21
Misc : 5.00G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAJ73

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM050219S.M
Quant Title : VOC Analysis

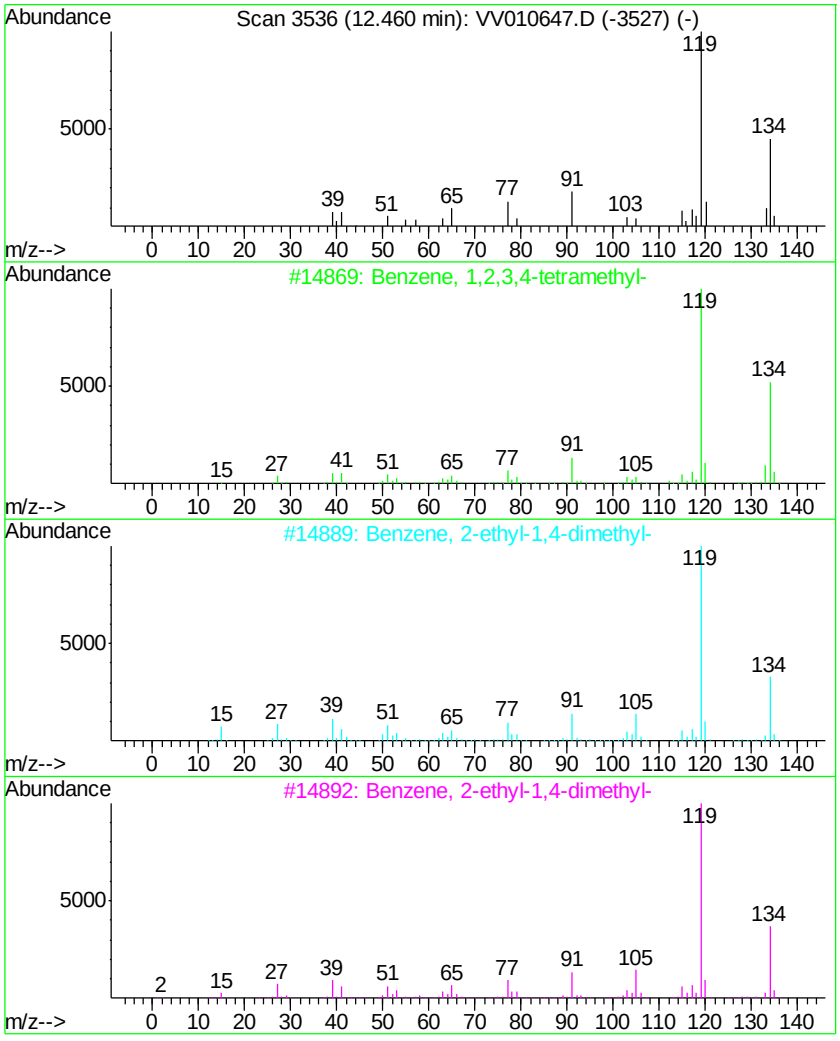
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

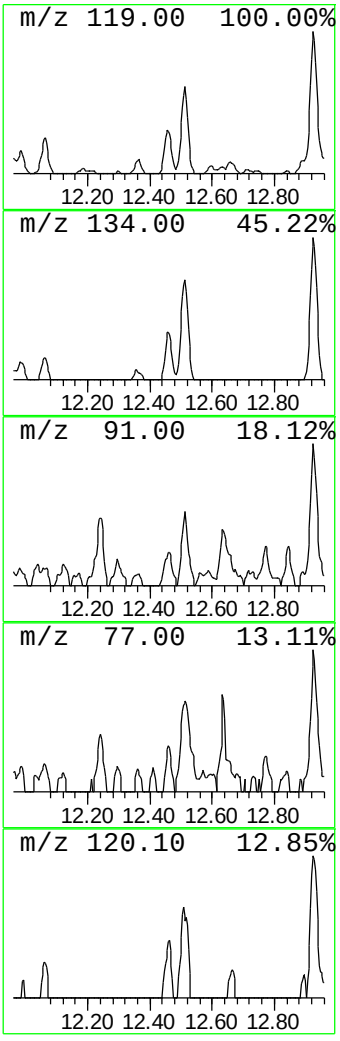
****

Peak Number 7 Benzene, 1,2,3,4-tetramethyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.46	1.62 ug/L	13248	1,4-Dichlorobenzene-d4	11.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	91
2	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	91
3	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	91
4	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	91
5	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	91





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV050219\
Data File : VV010647.D
Acq On : 03 May 2019 04:19
Operator : SY/MD
Sample : K2603-21
Misc : 5.00G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAJ73

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM050219S.M
Quant Title : VOC Analysis

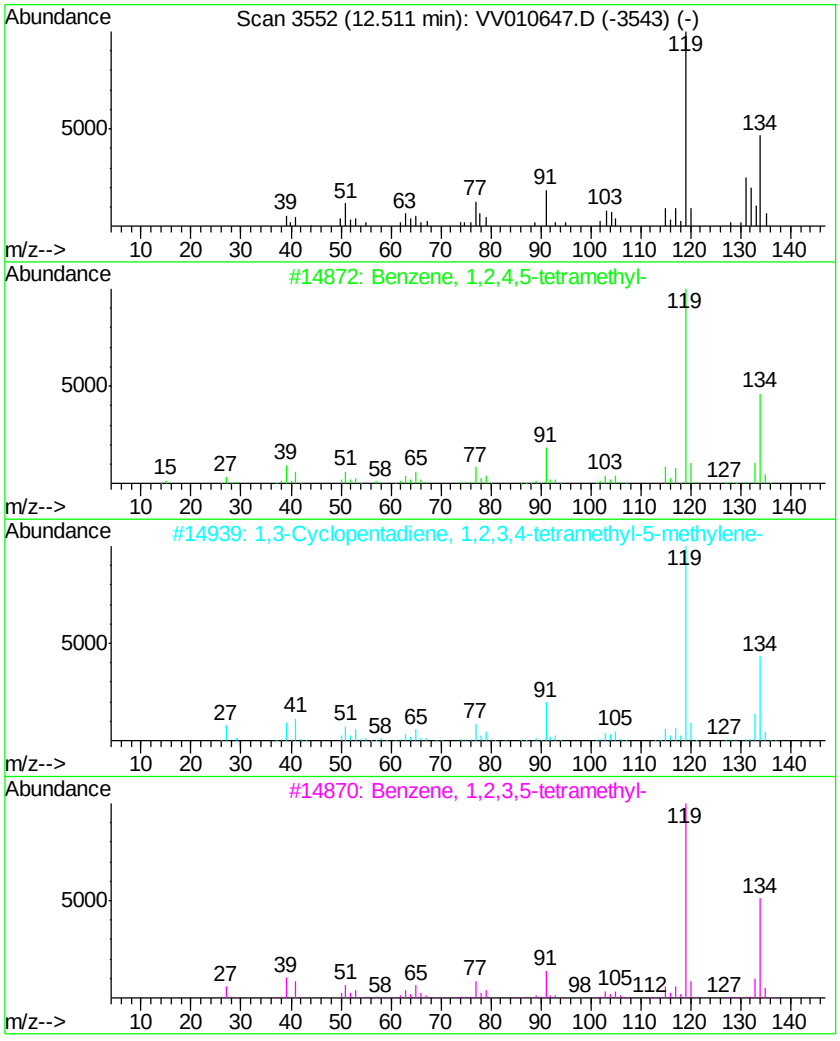
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

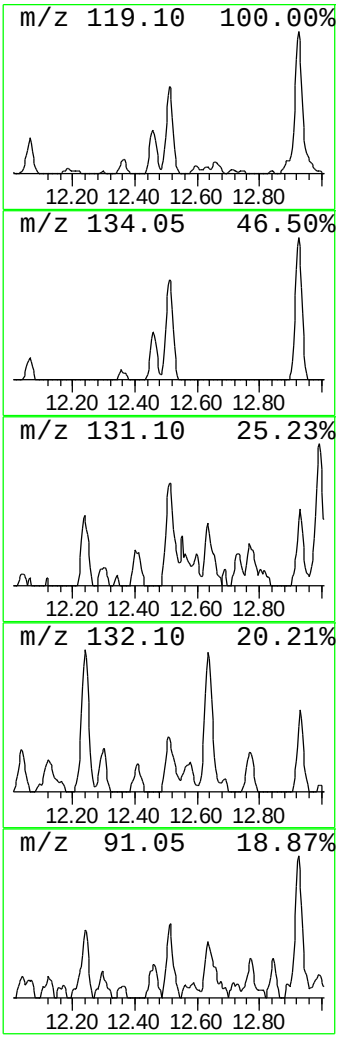
****

Peak Number 8 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.51	5.62 ug/L	45906	1,4-Dichlorobenzene-d4	11.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	93
2	1,3-Cyclopentadiene, 1,2,3,4-tet...	134	C10H14	076089-59-3	81
3	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	81
4	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	81
5	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	81





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Data File : VV010647.D
Acq On : 03 May 2019 04:19
Operator : SY/MD
Sample : K2603-21
Misc : 5.00G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAJ73

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM050219S.M
Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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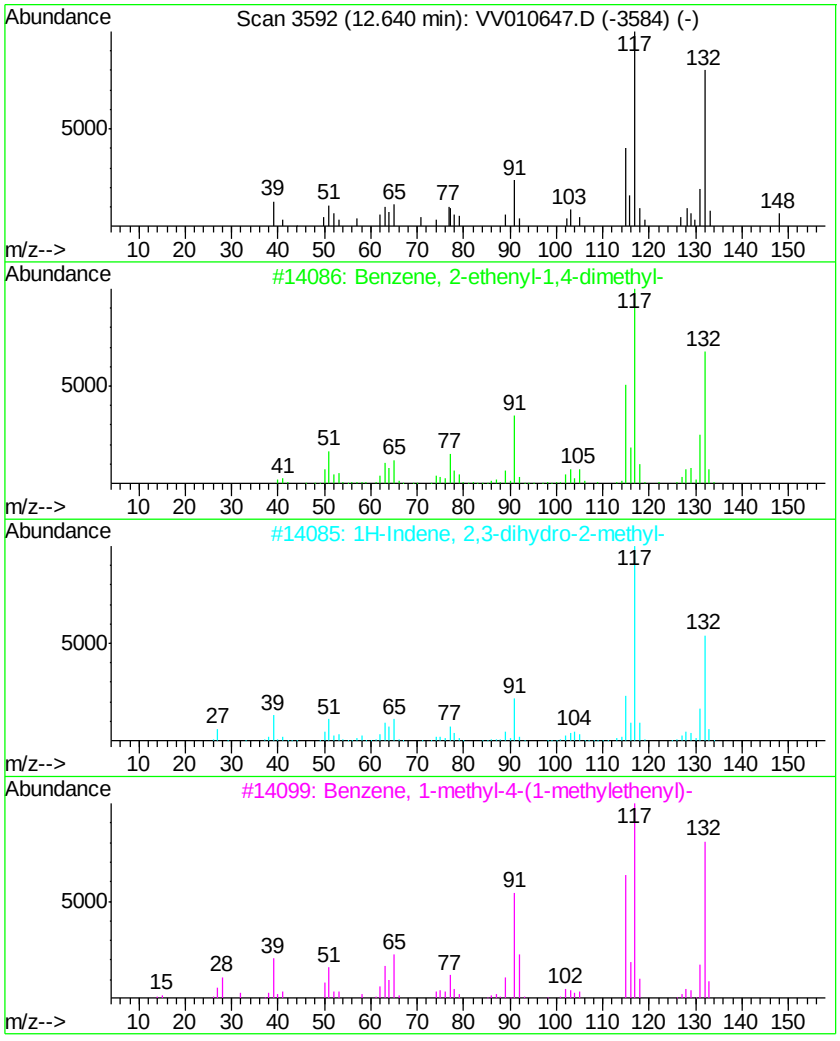
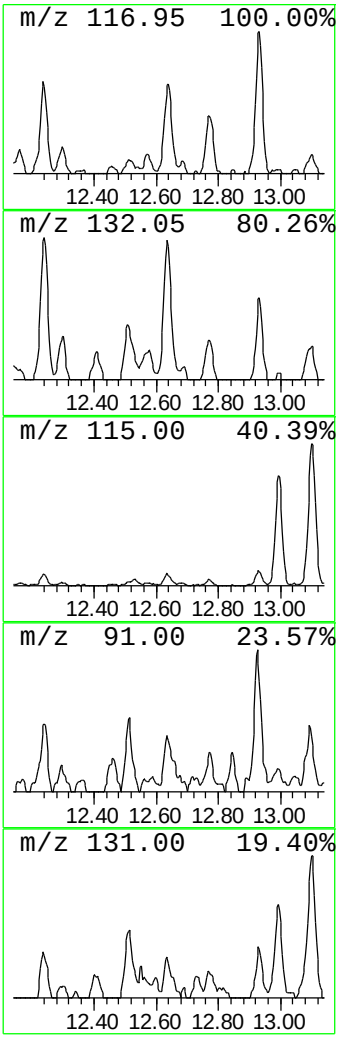
Peak Number 9 Benzene, 2-ethenyl-1,4-dime... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.64	3.43 ug/L	28056	1,4-Dichlorobenzene-d4	11.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	97
2	1H-Indene, 2,3-dihydro-2-methyl-	132	C10H12	000824-63-5	93
3	Benzene, 1-methyl-4-(1-methyleth...	132	C10H12	001195-32-0	93
4	Benzene, 2-ethenyl-1,3-dimethyl-	132	C10H12	002039-90-9	93
5	Benzene, 1-methyl-4-(2-propenyl)-	132	C10H12	003333-13-9	93





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Data File : VV010647.D
Acq On : 03 May 2019 04:19
Operator : SY/MD
Sample : K2603-21
Misc : 5.00G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAJ73

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM050219S.M
Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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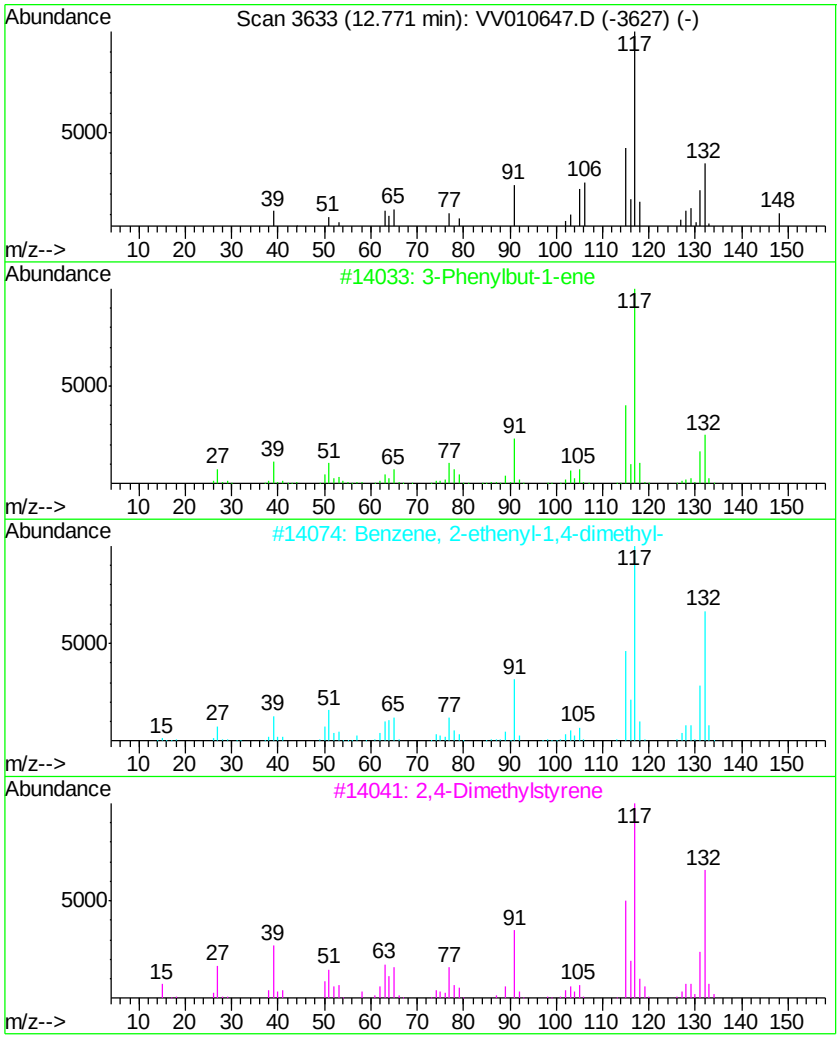
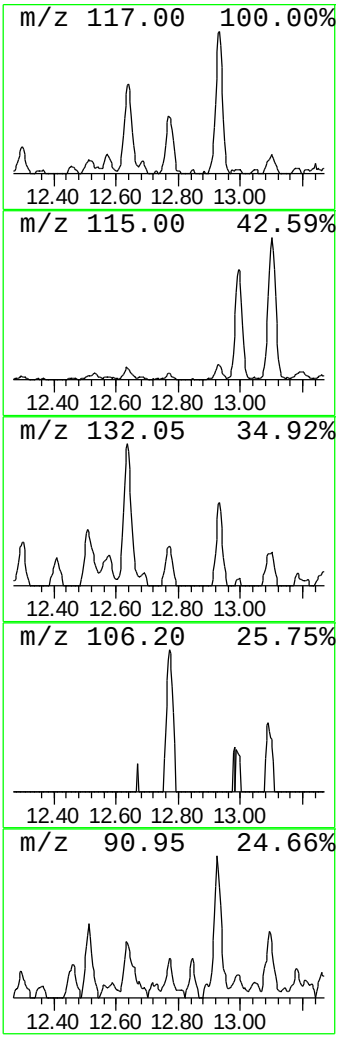
Peak Number 10 3-Phenylbut-1-ene Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.77	1.63 ug/L	13324	1,4-Dichlorobenzene-d4	11.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Phenylbut-1-ene	132	C10H12	000934-10-1	72
2	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	70
3	2,4-Dimethylstyrene	132	C10H12	002234-20-0	70
4	Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	68
5	(E)-1-Phenyl-1-butene	132	C10H12	001005-64-7	68





Library Search Compound Report

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Data File : VV010647.D
Acq On : 03 May 2019 04:19
Operator : SY/MD
Sample : K2603-21
Misc : 5.00G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAJ73

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM050219S.M
Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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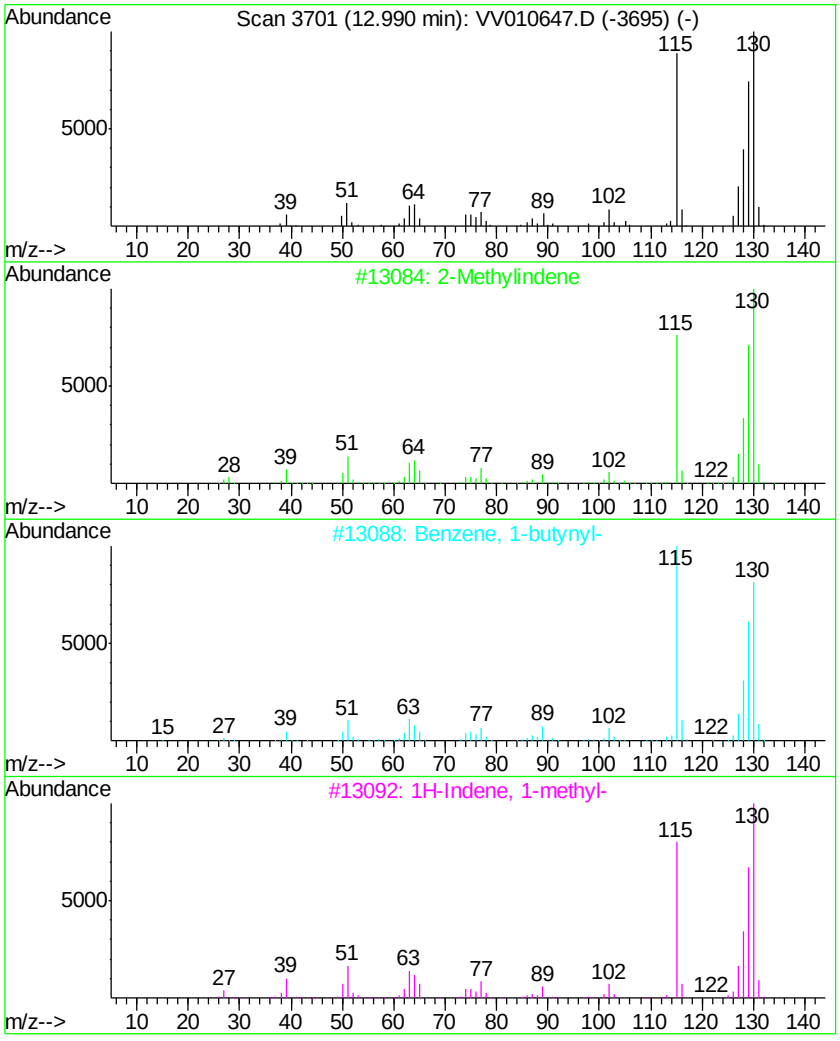
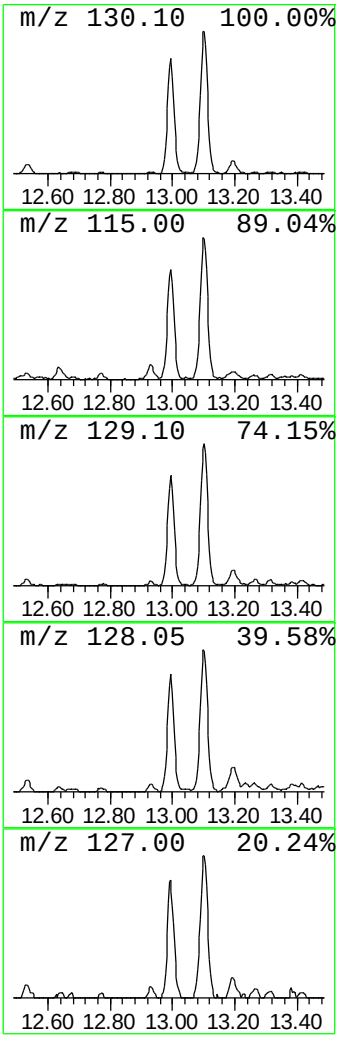
Peak Number 12 2-Methylindene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.99	16.11 ug/L	131644	1,4-Dichlorobenzene-d4	11.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Methylindene	130	C10H10	002177-47-1	96
2	Benzene, 1-butynyl-	130	C10H10	000622-76-4	95
3	1H-Indene, 1-methyl-	130	C10H10	000767-59-9	94
4	Cyclopropa[a]indene, 1,1a,6,6a-te...	130	C10H10	015677-15-3	93
5	Benzene, 1-butynyl-	130	C10H10	000622-76-4	93





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Data File : VV010647.D
Acq On : 03 May 2019 04:19
Operator : SY/MD
Sample : K2603-21
Misc : 5.00G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAJ73

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM050219S.M
Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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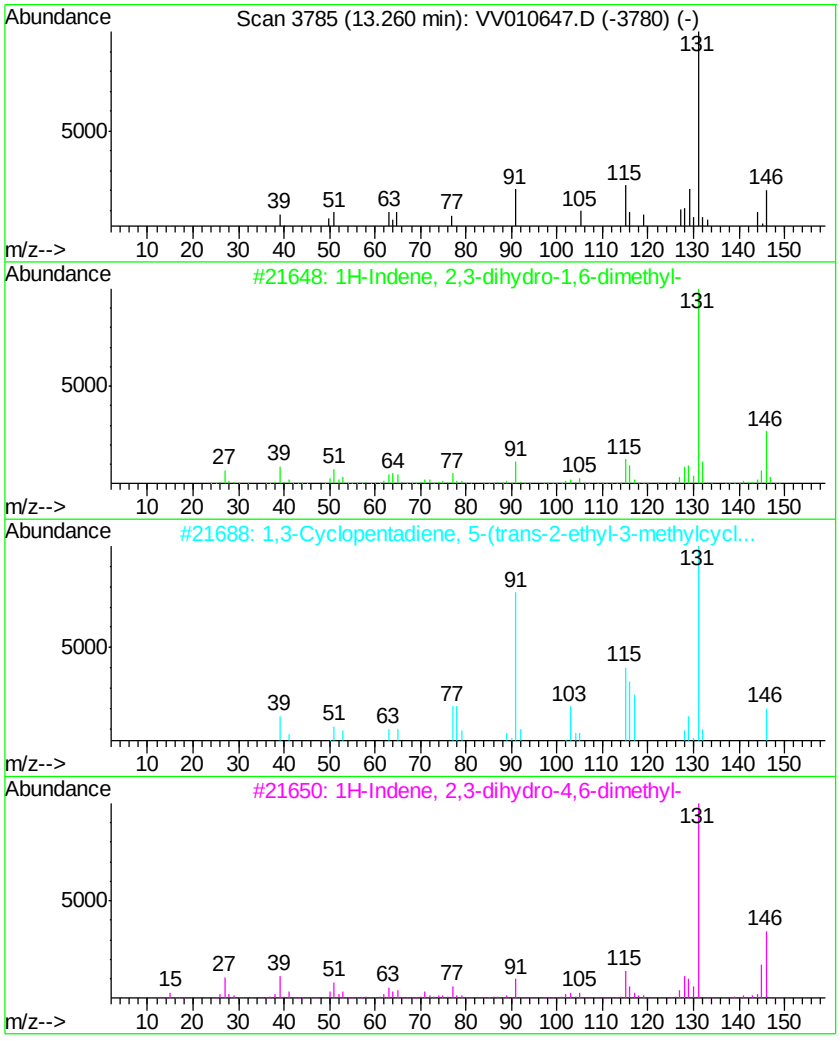
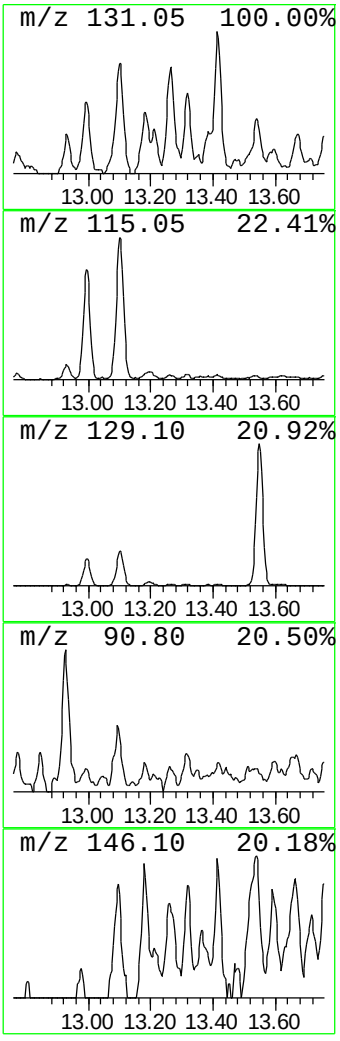
Peak Number 14 1H-Indene, 2,3-dihydro-1,6-... Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.26	1.29 ug/L	10576	1,4-Dichlorobenzene-d4	11.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-1,6-dimet...	146	C11H14	017059-48-2	59
2	1,3-Cyclopentadiene, 5-(trans-2-...	146	C11H14	079209-36-2	59
3	1H-Indene, 2,3-dihydro-4,6-dimet...	146	C11H14	001685-82-1	59
4	Benzene, 1-methyl-2-(1-methyl-2-...	146	C11H14	097664-19-2	45
5	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	45





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Data File : VV010647.D
Acq On : 03 May 2019 04:19
Operator : SY/MD
Sample : K2603-21
Misc : 5.00G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAJ73

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM050219S.M
Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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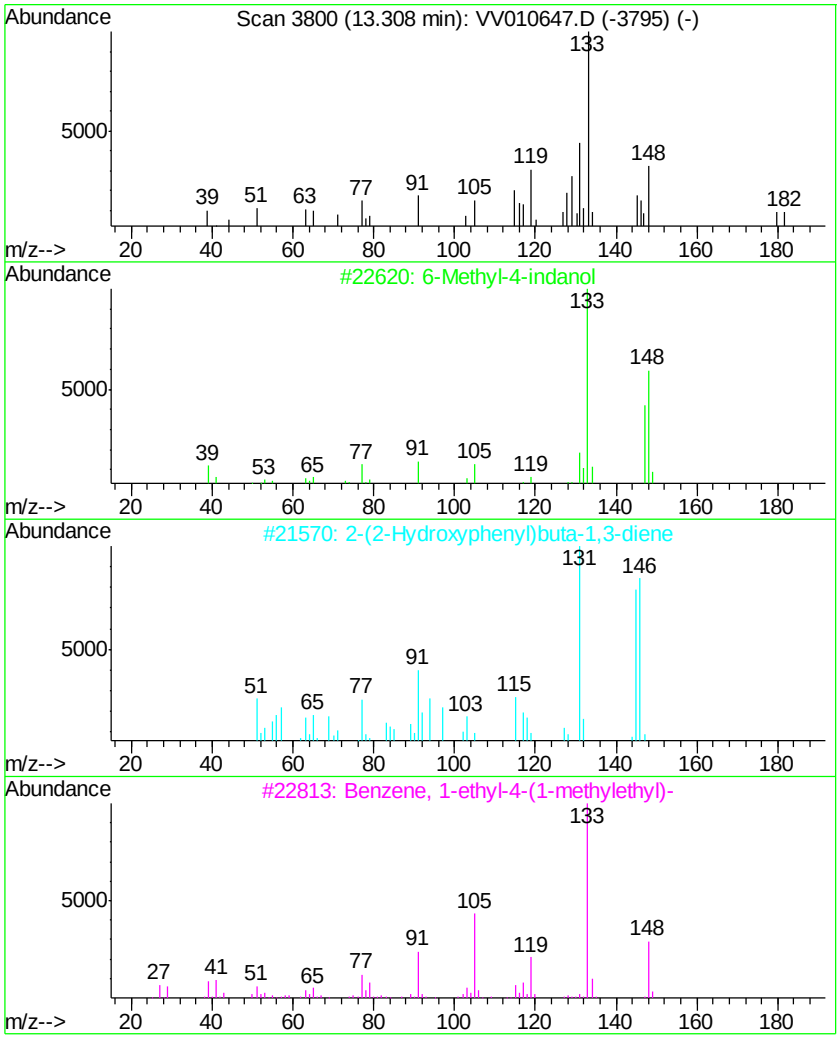
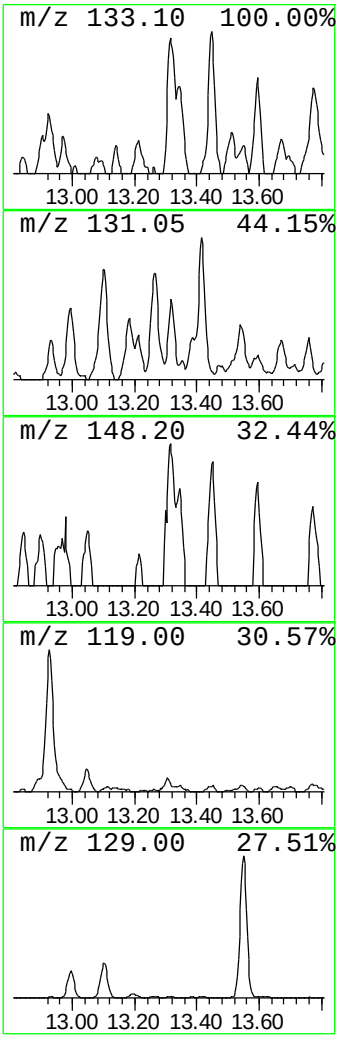
Peak Number 15 unknown-01 Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.31	2.50 ug/L	20402	1,4-Dichlorobenzene-d4	11.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	6-Methyl-4-indanol	148	C10H12O	020294-32-0	49
2	2-(2-Hydroxyphenyl)buta-1,3-diene	146	C10H10O	038865-47-3	46
3	Benzene, 1-ethyl-4-(1-methylethyl)-	148	C11H16	004218-48-8	38
4	Ethanone, 1-(3,4-dimethylphenyl)-	148	C10H12O	003637-01-2	38
5	Benzene, pentamethyl-	148	C11H16	000700-12-9	38





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Operator : SY/MD
Sample : K2603-21
Misc : 5.00G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAJ73

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM050219S.M
Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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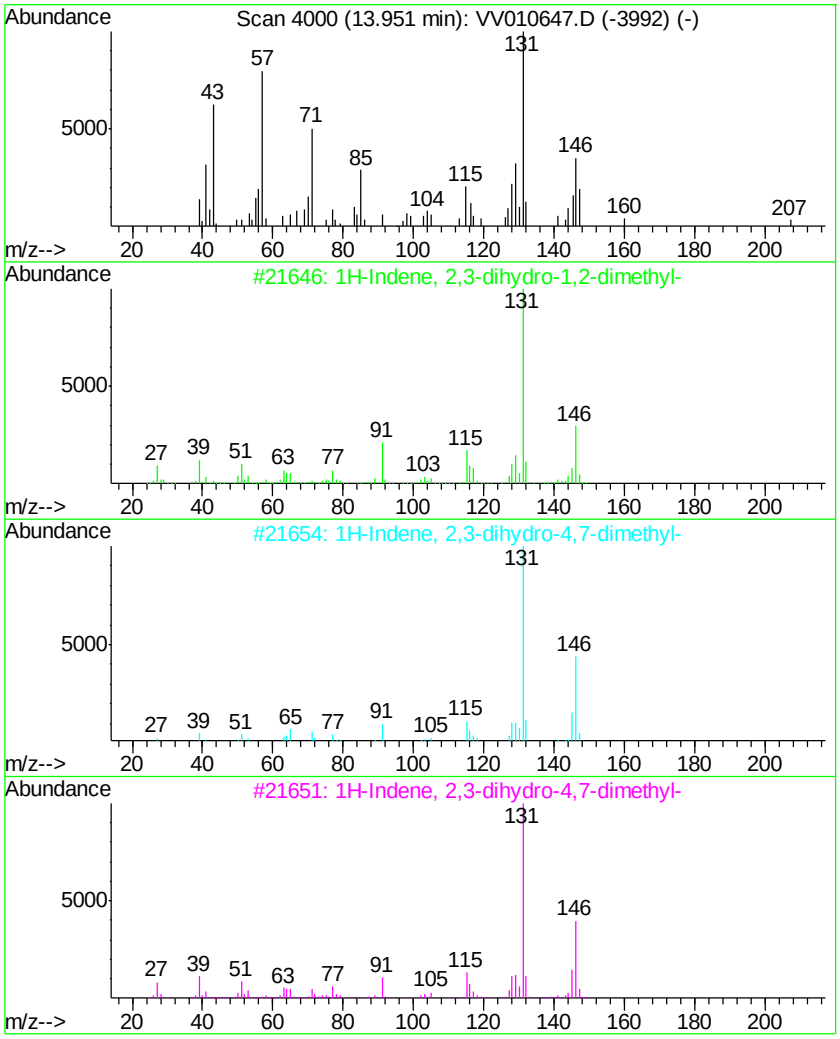
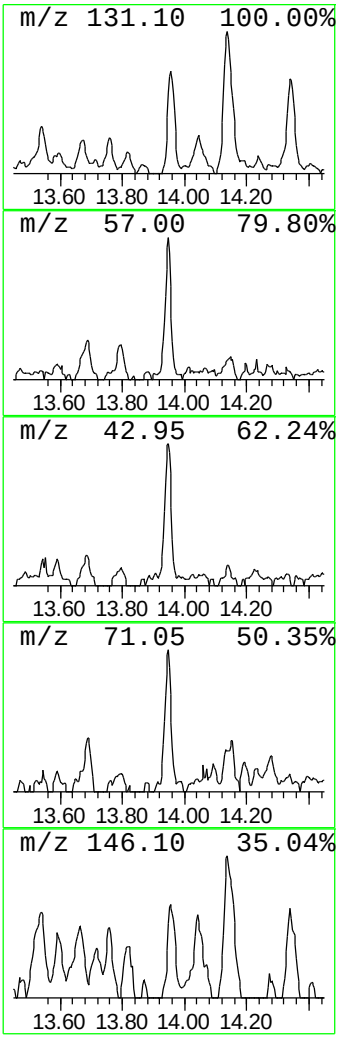
Peak Number 17 unknown-02 Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.95	5.26 ug/L	42933	1,4-Dichlorobenzene-d4	11.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	46
2	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	46
3	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	43
4	Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	43
5	Benzene, (1,2-dimethyl-1-propenyl)-	146	C11H14	000769-57-3	43





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Acq On : 03 May 2019 04:19
Operator : SY/MD
Sample : K2603-21
Misc : 5.00G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAJ73

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM050219S.M
Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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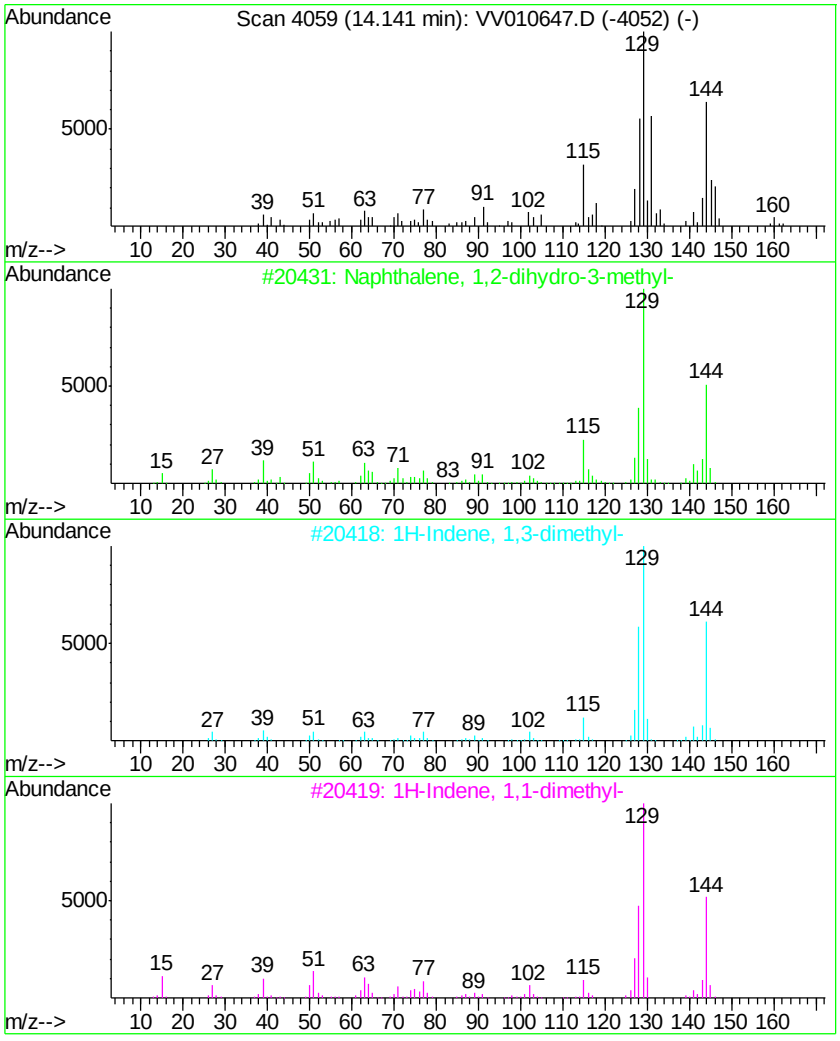
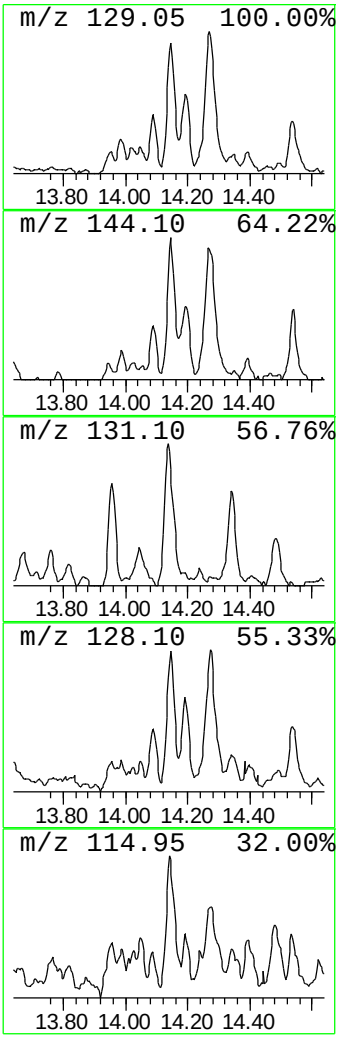
Peak Number 18 Naphthalene, 1,2-dihydro-3-... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.14	8.98 ug/L	73381	1,4-Dichlorobenzene-d4	11.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2-dihydro-3-methyl-	144	C11H12	002717-44-4	86
2	1H-Indene, 1,3-dimethyl-	144	C11H12	002177-48-2	86
3	1H-Indene, 1,1-dimethyl-	144	C11H12	018636-55-0	70
4	1H-Indene, 4,7-dimethyl-	144	C11H12	006974-97-6	70
5	1H-Indene, 2,3-dimethyl-	144	C11H12	004773-82-4	70





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Operator : SY/MD
Sample : K2603-21
Misc : 5.00G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAJ73

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM050219S.M
Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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Peak Number 19 Naphthalene, 2-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.68	250.48 ug/L	2046400	1,4-Dichlorobenzene-d4	11.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
2	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
3	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	96
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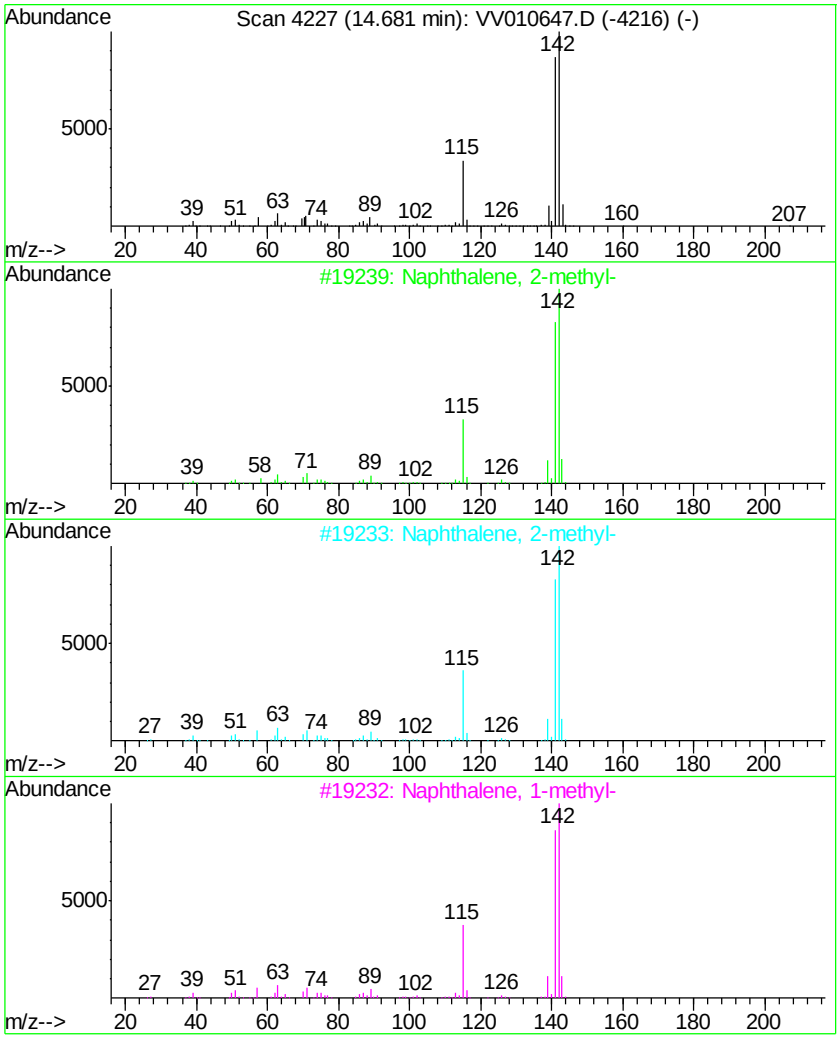

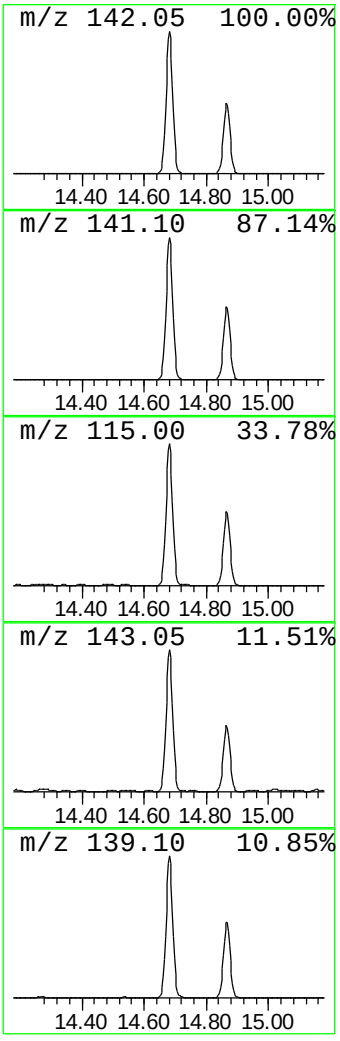

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Operator : SY/MD
Sample : K2603-21
Misc : 5.00G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAJ73

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM050219S.M
Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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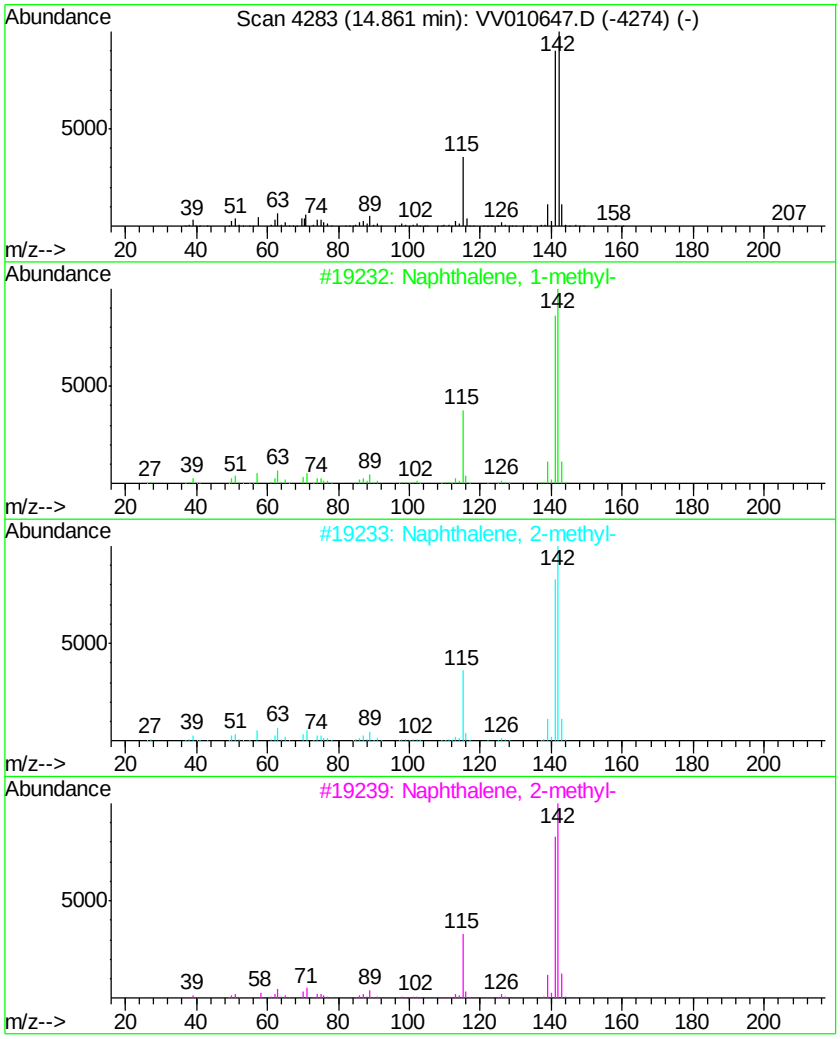
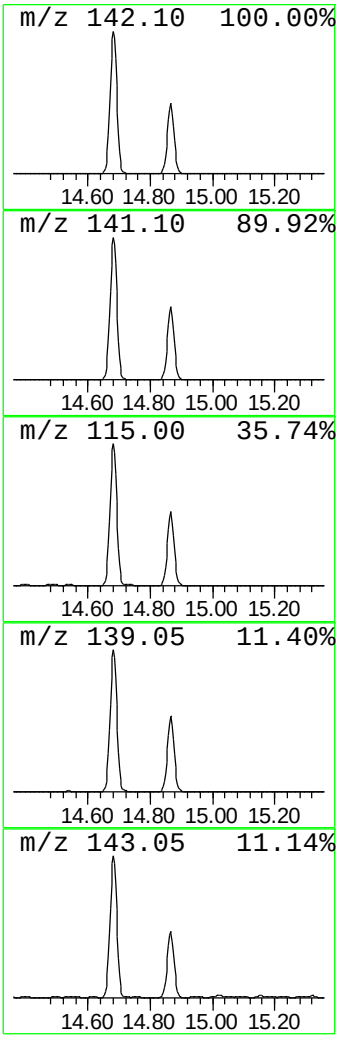
Peak Number 20 Naphthalene, 1-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.86	130.07 ug/L	1062670	1,4-Dichlorobenzene-d4	11.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	96
2	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
3	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
4	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	94
5	1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	91





Library Search Compound Report

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Acq On : 03 May 2019 04:19
Operator : SY/MD
Sample : K2603-21
Misc : 5.00G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAJ73

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM050219S.M
Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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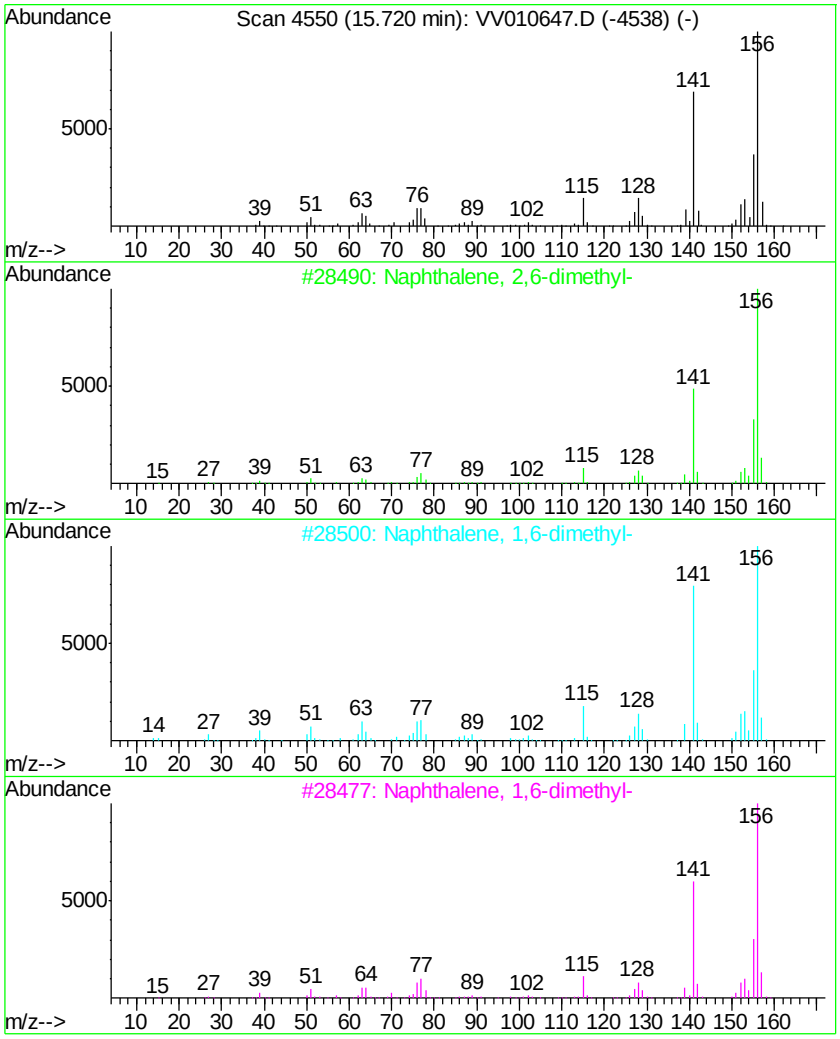
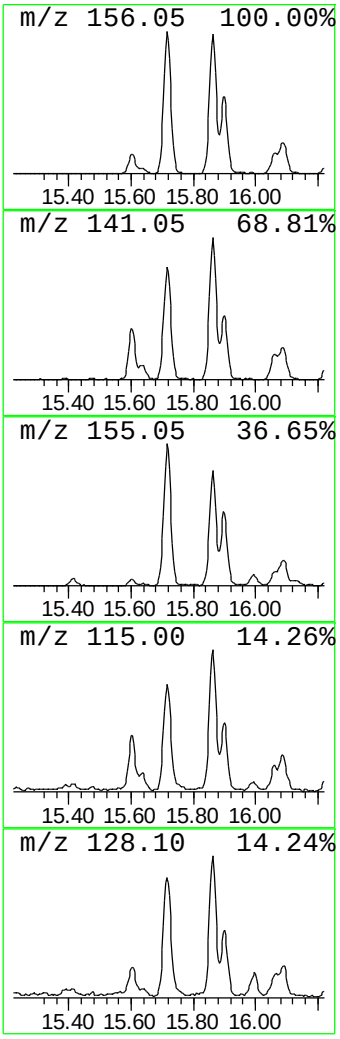
Peak Number 21 Naphthalene, 2,6-dimethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.72	53.80 ug/L	439558	1,4-Dichlorobenzene-d4	11.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
2	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
3	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
4	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	97
5	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	97





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Data File : VV010647.D
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Sample : K2603-21
Misc : 5.00G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAJ73

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM050219S.M
Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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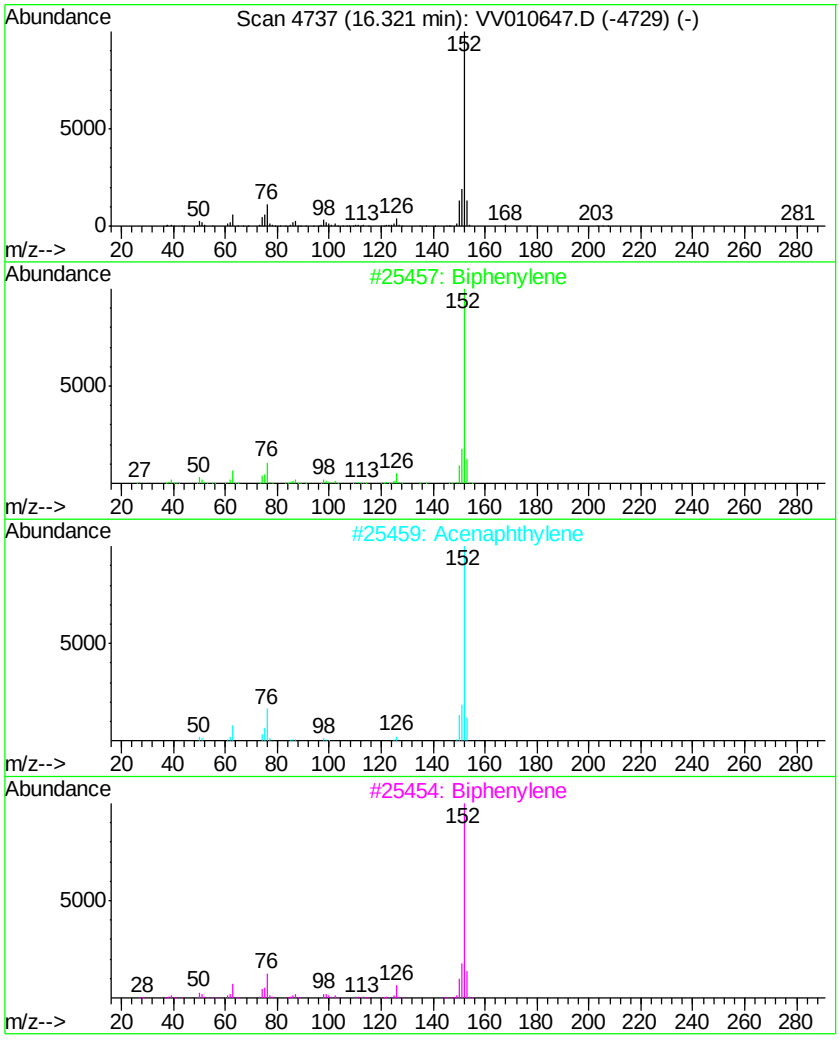
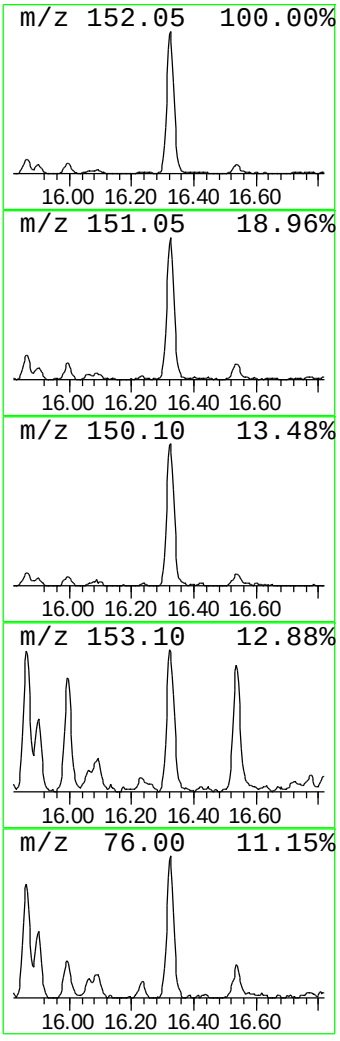
Peak Number 23 Biphenylene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.32	31.56 ug/L	257820	1,4-Dichlorobenzene-d4	11.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Biphenylene	152	C12H8	000259-79-0	97
2	Acenaphthylene	152	C12H8	000208-96-8	90
3	Biphenylene	152	C12H8	000259-79-0	90
4	Acenaphthylene	152	C12H8	000208-96-8	87
5	Acenaphthylene	152	C12H8	000208-96-8	80





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV050219\
Data File : VV010647.D
Acq On : 03 May 2019 04:19
Operator : SY/MD
Sample : K2603-21
Misc : 5.00G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAJ73

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM050219S.M
Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Benzene, 1-etheny...	11.03	1.5	ug/L	12277	3	11.30	204245	25.0
Benzene, 1-propynyl-	11.79	11.0	ug/L	89709	3	11.30	204245	25.0
Benzene, 2-etheny...	12.30	1.3	ug/L	10813	3	11.30	204245	25.0
Benzene, 1,2,3,4-...	12.46	1.6	ug/L	13248	3	11.30	204245	25.0
Benzene, 1,2,4,5-...	12.51	5.6	ug/L	45906	3	11.30	204245	25.0
Benzene, 2-etheny...	12.64	3.4	ug/L	28056	3	11.30	204245	25.0
3-Phenylbut-1-ene	12.77	1.6	ug/L	13324	3	11.30	204245	25.0
2-Methylindene	12.99	16.1	ug/L	131644	3	11.30	204245	25.0
1H-Indene, 2,3-di...	13.26	1.3	ug/L	10576	3	11.30	204245	25.0
unknown-01	13.31	2.5	ug/L	20402	3	11.30	204245	25.0
unknown-02	13.95	5.3	ug/L	42933	3	11.30	204245	25.0
Naphthalene, 1,2-...	14.14	9.0	ug/L	73381	3	11.30	204245	25.0
Naphthalene, 2-me...	14.68	250.5	ug/L	2046400	3	11.30	204245	25.0
Naphthalene, 1-me...	14.86	130.1	ug/L	1062670	3	11.30	204245	25.0
Naphthalene, 2,6-...	15.72	53.8	ug/L	439558	3	11.30	204245	25.0
Biphenylene	16.32	31.6	ug/L	257820	3	11.30	204245	25.0